

## ABSTRACT

5 A two or more chambered airbag provides much improved safety and/or  
performance. A modified single chamber airbag can be used as the primary chamber of  
the two-chamber airbag. A piece of fabric of appropriate size is sewn to the inside or  
outside surface of the front panel of the primary chamber to create the secondary  
chamber. One or more apertures are opened between the primary and secondary  
chambers. In order for the secondary chamber to inflate properly, the tethers of the  
10 primary chamber are shortened to 50% to 80% of their original length. The size or  
location of the tether sewing to the inner surface of the front panel of the primary  
chamber is also adjusted to create a desired shape of the secondary chamber when  
deployed.